

GEDI LVIS Underflights - Gulfstream V - JSC 06/04/19 Science Report

Aircraft: [Gulfstream V - JSC](#) ([See full schedule](#))

Date: Tuesday, June 4, 2019

Mission: GEDI LVIS Underflights

Mission Location: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica

Mission Summary:

Took off KEFD at 04:13 CDT
Transited over the Gulf of Mexico
Flew GEDI track 2034, 2028, and 1759 en route to Costa Rica - partly cloudy
Pass of Arenal Volcano - cloudy
Mapped the area surrounding La Selva Biological Station, which had previously been surveyed by LVIS and provides ground truth. 12 lines - cloudy on northern 1/3 of lines, southern 2/3 mostly clear
Crossing line of all 12 La Selva lines, pass over Arenal - clear
Returned via GEDI track 2034 - partly cloudy
Landed KEFD at 15:19 CDT

Images:

LVIS GEDI La Selva Track



[Read more](#)

Submitted by: Wu, Albert on 06/06/19

Related Flight Report:

Gulfstream V - JSC 06/04/19

Flight Number: GV-17

Payload Configuration: LVIS/GEDI

Nav Data Collected: No

Total Flight Time: 11.2 hours

Submitted by: Derek Rutovic on 06/04/19

Flight Segments:

From:	KEFD	To:	KEFD
Start:	06/04/19 09:14 Z	Finish:	06/04/19 20:25 Z
Flight Time:	11.2 hours		
Log Number:	195003 - Completed as of this flight.	PI:	James Blair
Funding Source:	James Blair - NASA - SMD - ESD GSFC Laser Remote Sensing Branch		
Purpose of Flight:	Science		
Miles Flown:	5000 miles		

Flight Hour Summary:


	195003
Flight Hours Approved in SOFRS	40
Total Used	43.1
Total Remaining	-3.1

195003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/18/19	GV-12	Science	3.2	3.2	36.8	1200
05/21/19 - 05/22/19	GV-13	Science	6.8	10	30	2500
05/23/19	GV-14	Science	7.5	17.5	22.5	3500
05/24/19	GV-15	Science	5.7	23.2	16.8	2500
05/29/19	GV-16	Science	8.7	31.9	8.1	3900
06/04/19	GV-17	Science	11.2	43.1	-3.1	5000

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Flight Tracks:

Attachment	Size
 2019-06-04_08-46-53.KML	955.9 KB

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NASA Official: Bruce A. Tagg

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